

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

RURAL DEVELOPMENT DEPARTMENT-MGNREGA-WATER CONSERVATION & WATER
HARVESTING-COMPREHENSIVE SURVEY OF OVER EXPLOITED GROUND WATER
BASINS-ORDERS -ISSUED.

PANCHAYAT RAJ & RURAL DEVELOPMENT (RD-II) DEPARTMENT

G.O.Ms.No. 260

Dated:26-07-2010

Read:

From the Commissioner, Rural Development Ref No:01/ACRD-CCO/2010,
dated 8.7.2010.

ORDER:

As per an analysis of the ground water tables in the State, it was found that out of the 1,229 Ground Water Basins in the State, 132 Basins are 'Over Exploited', 89 Basins are 'Critical' and 175 Basins are 'Semi Critical' requiring urgent intervention. Unless the problem is addressed with the involvement of all the stakeholders by taking up water conservation and water harvesting, the situation may worsen questioning the sustainability of all developmental activities taken up so far in these areas.

2. The Commissioner, RD in his proposal read above has suggested that a concerted, holistic and coordinated approach by the Rural Development Department with the Ground Water Department is essential in order to effectively address the problem arisen/arising in the O.E. Basins. The Schedule I of the MGNREG Act accords topmost priority to water conservation and water harvesting in the shelf of works. The Commissioner, RD has also suggested for converging MGNREGA resources in order to take up works for increasing groundwater table in these threatened ground water basins.

3. Government after careful consideration of the proposal of the Commissioner, Rural Development, Hyderabad have decided that a focused and determined effort shall be undertaken in the groundwater basins classified as 'over exploited', 'critical' and 'semi-critical'. For this purpose, the following are ordered:

- a) A **Over Exploited Basins (OEB) Project Cell** shall be created within the existing MGNREGA Convergence Wing headed by Chief Convergence Officer, MGNREGA & Additional Commissioner, RD. The cell shall have professionals from groundwater and other disciplines. The cell shall discharge the following functions:
 - i. Develop a holistic strategy for tackling the issues of over exploitation and recharge of Ground Water in the O.E. basins identified by the Ground Water Department.
 - ii. Access information relating to Ground Water Recharge and Management from various sources and maintain a repository of information and feasible interventions in the O.E. basins / villages in Andhra Pradesh.
 - iii. Access data of Irrigation and Drinking Water bore wells and open wells from various sources, correlate and update the data for the purpose of planning of interventions.
 - iv. Engage professionals for survey of Over Exploited, Critical and Semi Critical basins/villages for identification of interventions.

[P.T.O.]

- v. Create a data base of all the activities taken up in the past, concurrently occurring and proposed in the O.E. basins.
- b) During the year 2010-11 the Project Cell in co-ordination with Ground Water Department shall take up the study and survey of O.E. villages in **110 IWMP-I project villages** (details in Annexure) and identify appropriate interventions.
- c) Ground Water Department shall undertake the following as a part of this project by making available:-
 - i) GIS layers required for the project along with list of Over Exploited (OE), critical and semi critical villages/basins.
 - ii) One or two officers to work at the OEB project cell (one Deputy Director is already deputed)
 - iii) Periodic Depth to Water Level (DTWL) reports with zoning maps.
 - iv) Interested retired personnel for taking up field work. Their appointment and payment shall be made by the OEB project cell.
 - v) Logistic support to the officers deputed to the OEB project cell during impact and evaluation studies.
 - vi) Design the formats for survey, monitoring and impact analysis of the interventions shall be taken.
- d) Formation Of Survey Teams: The OEB Project Cell in consultation with the Director, Ground Water shall constitute district wise survey teams comprising of: Professionals from open market, retired officials of Ground Water Department, Professionals from Educational & Research Institutions and Registered Geologist / Hydro Geologist having expertise in Ground Water recharge methods.
- e) Training: The OEB Project Cell in co-ordination with Ground Water Department shall arrange orientation and survey methodology to the survey teams.
- f) Facilitation for the Survey: The survey shall be undertaken by the district teams identified by the OEB Project cell. The project cell shall provide to the team – all maps, GPS instruments, Topo sheets, Location details of existing structures & mobility to the teams.
- g) Survey: Each team shall be responsible for survey of O.E. villages allotted to the team and for identifying appropriate interventions. The Survey teams shall submit a report giving the details of Geology and hydro geological conditions of the micro basin, available yield, type and No. of identified interventions with location and measurements of the suggested interventions for generation of estimates. The guidelines for the survey teams shall be as follows:
 - i) Recharge structures shall be site specific but not demand specific or target specific.
 - ii) Availability of surface water for recharge shall be calculated.
 - iii) Availability of storage space in the aquifers to take in the recharged water shall be estimate.

[Contd..3]

h) Time lines: The following shall be the timelines for completion of the survey:

- i. Collation of the information required for the survey of the O.E. villages in the IWMP-I watersheds: by 31.07.2010
- ii. Formation and training of survey teams: by 15.08.2010
- iii. Survey of all O.E., Critical and Semi critical villages / micro basins covered under IWMP-I project: From 18.08.2010 to 15.09.2010
- iv. Submission of report to the OEB Project Cell and completion of data entry: by 30.09.2010.

4. The works identified as a part of this survey shall be taken up and completed under MGNREGS during 2010-11. After evaluating the outcome of the work done in these villages, further strategy for extending the Project to other over exploited basins shall be taken. The Commissioner, Rural Development shall take necessary action accordingly.

5. This order is issued after due consultation with Ground Water Department. A copy of this order is available on the internet and can be accessed at the address <http://www.rd.ap.gov.in>.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

R.SUBRAHMANYAM
PRINCIPAL SECRETARY TO GOVERNMENT (RD)

To
The Commissioner, Rural Development, Hyderabad
The Director, Ground water Department, Hyderabad
The Additional Commissioner, RD, O/o CRD, Hyderabad

Copy to:

The Special Secretary Irrigation (GW) Department
PS to Prl. Secy. to Government (RD)
SF/SC

// FORWARDED: BY ORDER //

SECTION OFFICER

ANNEXURE

Sl. No.	Name of the district	No. of IWMP Projects sanctioned under Ph-I	No. of villages covered in Phase-I IWMP
1.	Adilabad	9	77
2.	Ananthapur	15	81
3	Chittoor	9	65
4	Kadapa	7	37
5.	Khammam	2	7
6	Kurnool	13	81
7	Mahabubnagar	16	159
8.	Medak	5	54
9.	Nalgonda	9	62
10.	Prakasam	14	86
11.	RangaReddy	7	81
12	Srikakulam	4	125
	TOTAL	110	915

R.SUBRAHMANYAM
PRINCIPAL SECRETARY TO GOVERNMENT (RD)

SECTION OFFICER